

**ABSTRACT OF THE DISCLOSURE****DYNAMIC SIZING LOGIC FOR DUMP LIST GENERATION**

An improved process for executing a dump is provided. The iteration loops are made "smart" by  
5 allowing them to determine how big the arrays are on the fly and adjust their behavior accordingly. The process uses a function to calculate the amount of memory to allocate for the dump list based on the dump mode and array sizes. Thus, if the static arrays are modified to  
10 add or delete constants or the diagnostic code is in an abbreviated dump mode, the amount of memory to be allocated will be calculated accurately.

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